

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
RADIO STATION CONSTRUCTION PERMIT
AND LICENSE**

EXPERIMENTAL

(Nature of Service)

WC2XLI

(Call Sign)

XD FX MO

(Class of Station)

0268-EX-RR-2010

(File Number)

NAME Motorola Inc.

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(i) of the Commission's Rules

Station Locations

- (1) Schaumburg (COOK), IL - NL 42-03-45; WL 88-03-08; MOBILE: 20 mile radius, centered around NL 42-03-45; WL 88-03-08
- (2) Arlington Heights (COOK), IL - NL 42-08-01; WL 88-00-06; MOBILE: 20 mile radius, centered around NL 42-08-01; WL 88-00-06
- (3) Libertyville (LAKE), IL - NL 42-17-21; WL 88-00-00; MOBILE: 20 mile radius, centered around NL 42-17-21; WL 88-00-00

Frequency Information

Schaumburg (COOK), IL - NL 42-03-45; WL 88-03-08; MOBILE: 20 mile radius, centered around NL 42-03-45; WL 88-03-08

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1920-1980 MHz	FX	5M00K0W	10 W (ERP)	
1920-1980 MHz	MO	5M00K0W	10 W (ERP)	
2110-2170 MHz	FX	5M00K0W	63 W (ERP)	

This authorization effective October 01, 2010 and
will expire 3:00 A.M. EST October 01, 2012

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Schaumburg (COOK), IL - NL 42-03-45; WL 88-03-08; MOBILE: 20 mile radius, centered around NL 42-03-45; WL 88-03-08

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2110-2170 MHz	MO	5M00K0W	63 W (ERP)	

Arlington Heights (COOK), IL - NL 42-08-01; WL 88-00-06; MOBILE: 20 mile radius, centered around NL 42-08-01; WL 88-00-06

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1920-1980 MHz	FX	5M00K0W	10 W (ERP)	
1920-1980 MHz	MO	5M00K0W	10 W (ERP)	
2110-2170 MHz	FX	5M00K0W	63 W (ERP)	
2110-2170 MHz	MO	5M00K0W	63 W (ERP)	

Libertyville (LAKE), IL - NL 42-17-21; WL 88-00-00; MOBILE: 20 mile radius, centered around NL 42-17-21; WL 88-00-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1920-1980 MHz	FX	5M00K0W	10 W (ERP)	
1920-1980 MHz	MO	5M00K0W	10 W (ERP)	

Frequency Information

Libertyville (LAKE), IL - NL 42-17-21; WL 88-00-00; MOBILE: 20 mile radius, centered around NL 42-17-21; WL 88-00-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2110-2170 MHz	FX	5M00K0W	63 W (ERP)	
2110-2170 MHz	MO	5M00K0W	63 W (ERP)	

Special Conditions:

- (1) Operation in the 1850-1910 or 1930-1990 MHz band requires prior frequency coordination with 2 GHz microwave users and consent of PCS licensees to avoid interference.
- (2) Operation in the 1710-1755 or 2110-2155 MHz band requires consent of local Advanced Wireless Service (AWS) licensee(s) to avoid interference.
- (3) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (4) Licensee should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.
- (5) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (6) Operation is subject to prior coordination with existing and future Part 22, Part 24, Part 27 and Part 101 licensee(s) in the bands 1920-1990 MHz and 2110-2175 MHz.